

PATENT ABSTRACTS OF JAPAN

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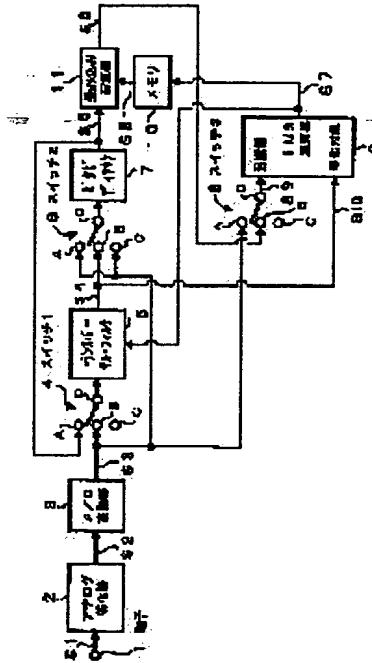
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54) OPTICAL INFORMATION REPRODUCING DEVICE AND OPTICAL INFORMATION REPRODUCING METHOD

57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical information reproducing device and the optical information reproducing method capable of equalizing the distortion of a reproduced signal due to the servo deviation without emphasizing the noise.

SOLUTION: The optical information recording device is allowed to continue the adaptive equalization to the optimum equalizing condition against each recording medium, since the arrangement is made so that a servo error adjusting means for adjusting the servo error of the focusing and tracking of the light beam and also an LMS(least mean square) computing element 9 as the adaptive equalizing means for adaptively equalizing the reproducing impulse response after the adjustment of the servo error as the target reproducing property are provided in the optical information reproducing device for reproducing the information recorded on a recording medium by irradiating the recording medium with the light beam from an optical pickup through an objective lens, thereby the detection margin is available to be wider, and the high density recording/reproducing operation is attained since the reproduction is allowed even in the narrow margin.



LEGAL STATUS

Date of request for examination]

Date of sending the examiner's decision of rejection]

Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

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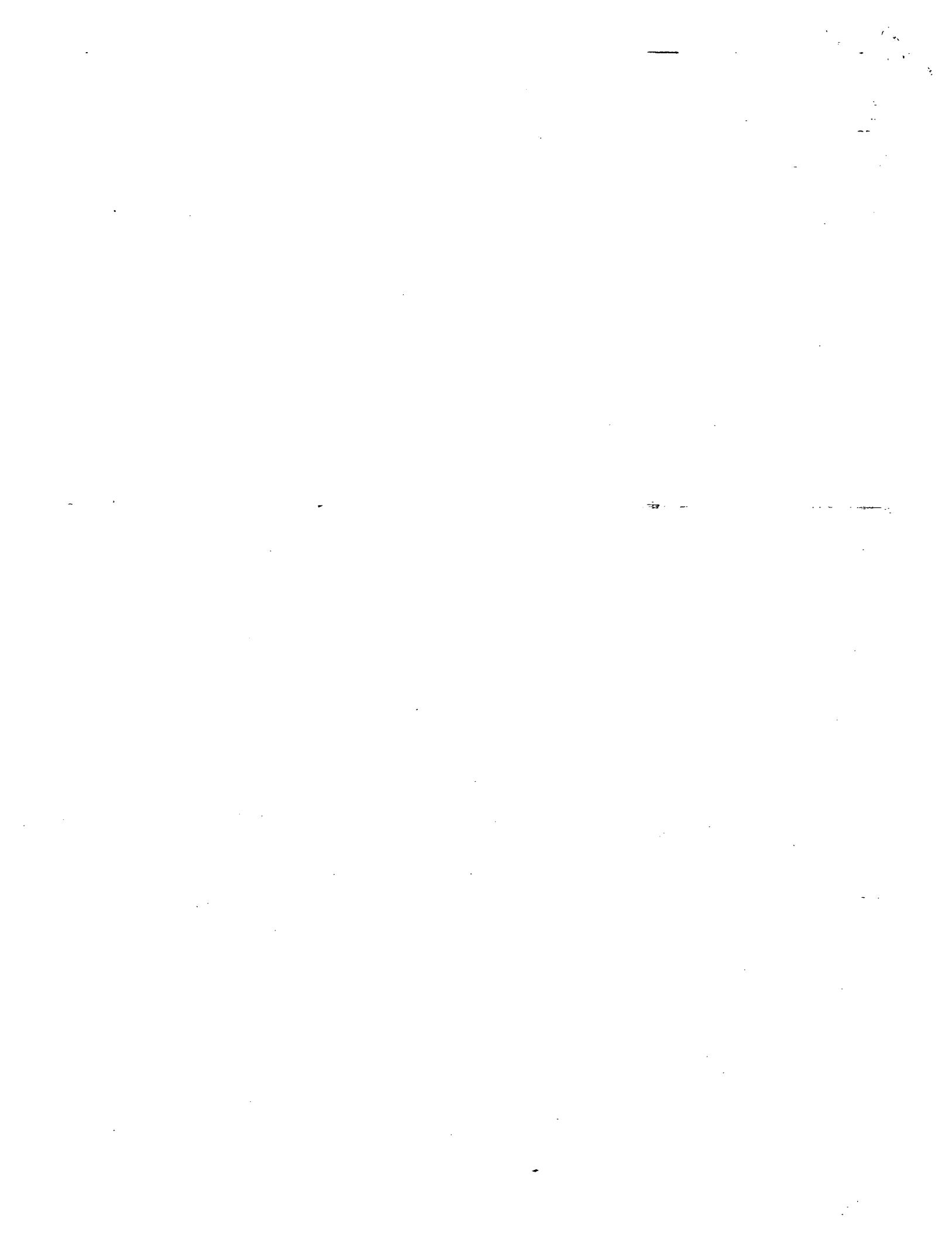
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(A) Relevance to claims

The following is a translation of passages related to claims 1-5, 18, 26-28 of the present invention.

(B) A translation of the relevant passages

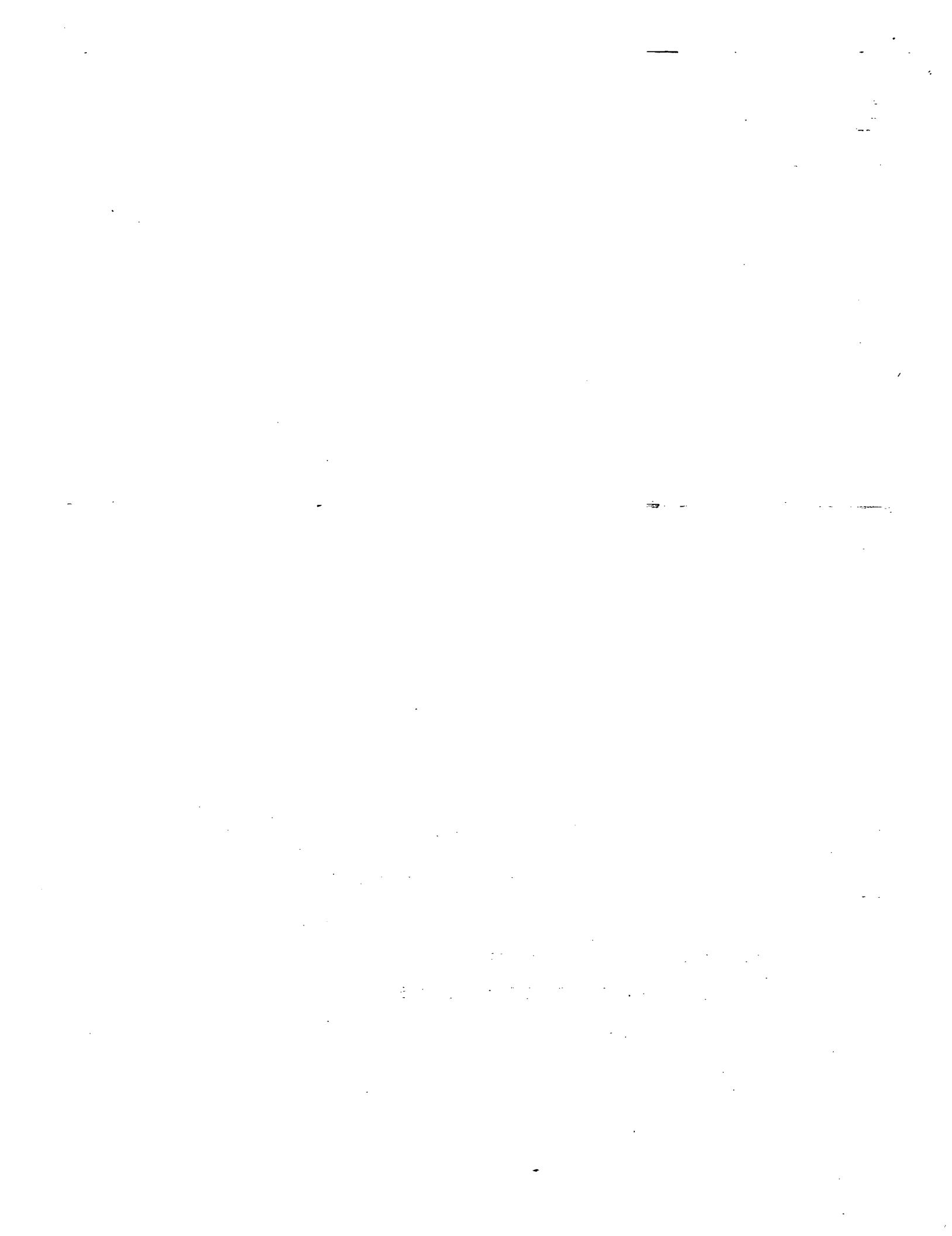
[SOLUTION]

An optical information reproduction device, which emits a light beam from an optical pickup via an objective lens to a storage medium so as to reproduce information stored on the storage medium, includes: servo error adjusting means for adjusting a servo error in focus and tracking of the light beam; and an LMS computing section 9 which functions as adaptive equalization means for adaptively equalizing reproduction impulse response, that has been subjected to the servo error adjustment, as a target reproduction property.

[MEANS TO SOLVE THE PROBLEMS]

[0009]

In order to solve such problems, the optical



information reproduction device of the present invention, which emits a light beam from an optical pickup via an objective lens to a storage medium so as to reproduce information stored on the storage medium, includes: servo error adjusting means for adjusting a servo error in focus and tracking of the light beam; and an LMS computing section 9 which functions as adaptive equalization means for adaptively equalizing reproduction impulse response, that has been subjected to the servo error adjustment, as a target reproduction property.

